

TEST REPORT

1. Applicant

* Client Name : FEELUX Co. Ltd.
* Address : 235-48 Gwangjeok-ro Gwangjeok-myeon Yangju-si Gyeonggi-do 482-844 Korea
* Date of Receipt : 191219

2. Purpose of Report :

3. Number of Report : 191219

4. Test Standard / Item : / 191219 NDP4 57K-24V-C90 SF1909 VER 3.3em 28LM9

5. Test Period : 191219 ~ 191219

6. Test Environment

* Ambient Temp. : 23.0 +- 3 °C
* Relative Humidity : 45.0 +- 10 % RH

7. Test Item

* Name of Product : FEELUX
* Rating :
* Model : FEELUX

8. Test Result : Refer to the attachment

Confirmation	Test by		Technical manager	
	CGR	Sign	CGR	Sign

- * The result shown in this test report refer only to the sample(s) tested unless otherwise stated.
- * This report cannot be reproduced, except in full.
- * This report is for reference only. It cannot replace the report by standard organization(s).

Result

Report Number	Sample Name	Sample Number	Test Standard
191219	FEELUX	#1	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.3321 , 0.3381	
Correlated Color Temperature	K	5512	
Ra		92.34	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.151	
Input Watt	W	3.63	
Lamp Flux	lm	284.5	
Efficient	lm/W	78.50	
luminous Intensity (Max , Center)	cd	93 , 92	
Illuminance	lx	92	1 m
		23	2 m
		10	3 m

* This test result is for the sample provided by the client.

* Sample photo

Click to load image

Luminaire

Lamp

Report

191219

No. of lamps 1

VoltageFilename 191219 NDP4 57K-24V-C90 SF1909 VER 3.3em 28LM9.jdt

Lamp flux (lm) 285

CurrenOperator 0.151

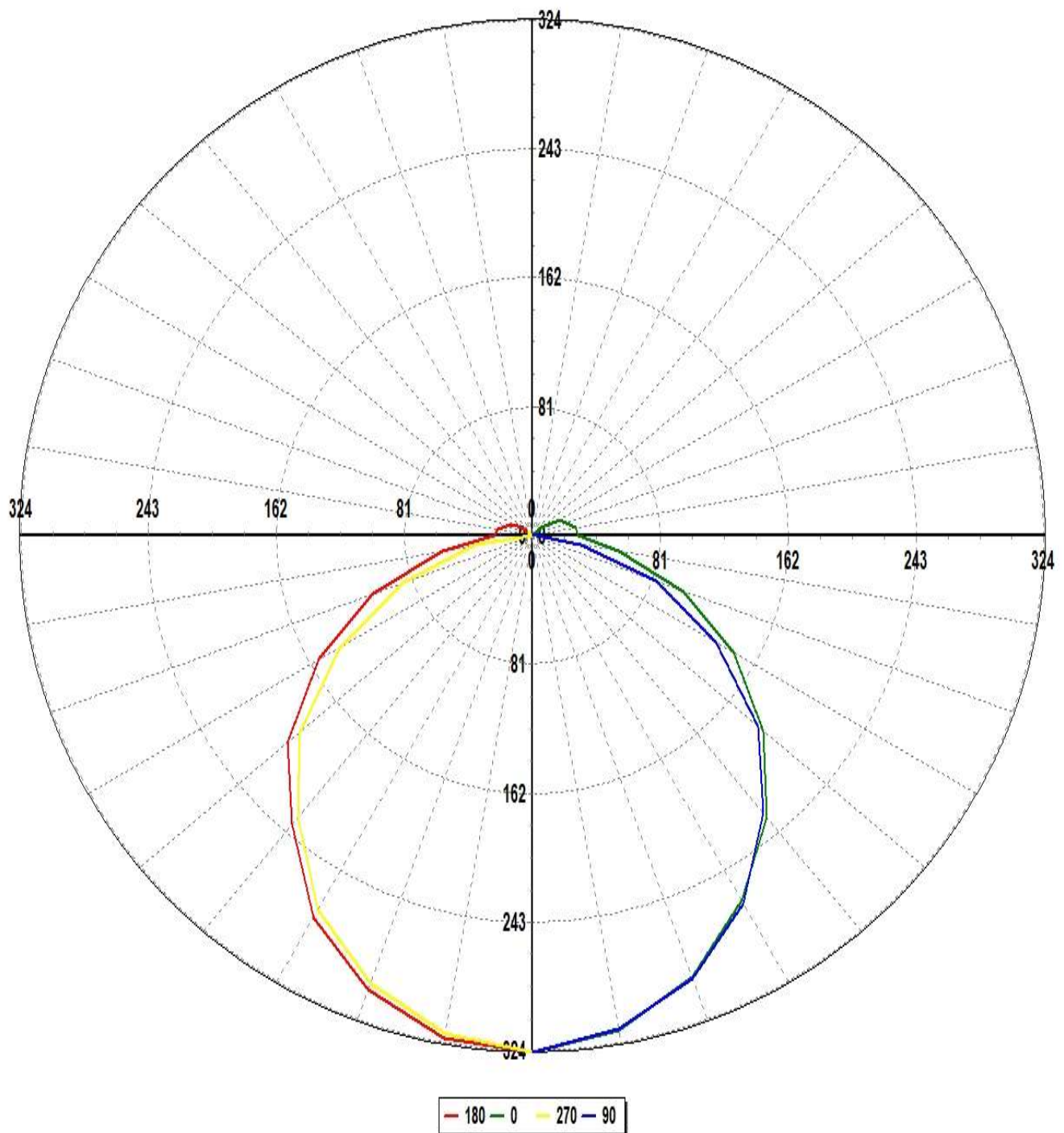
CGR

Total flux (lm) 285

PowerDateor 1

2019-12-19 오후 12:06:12

Luminous Intensity Distribution



Luminaire

Lamp

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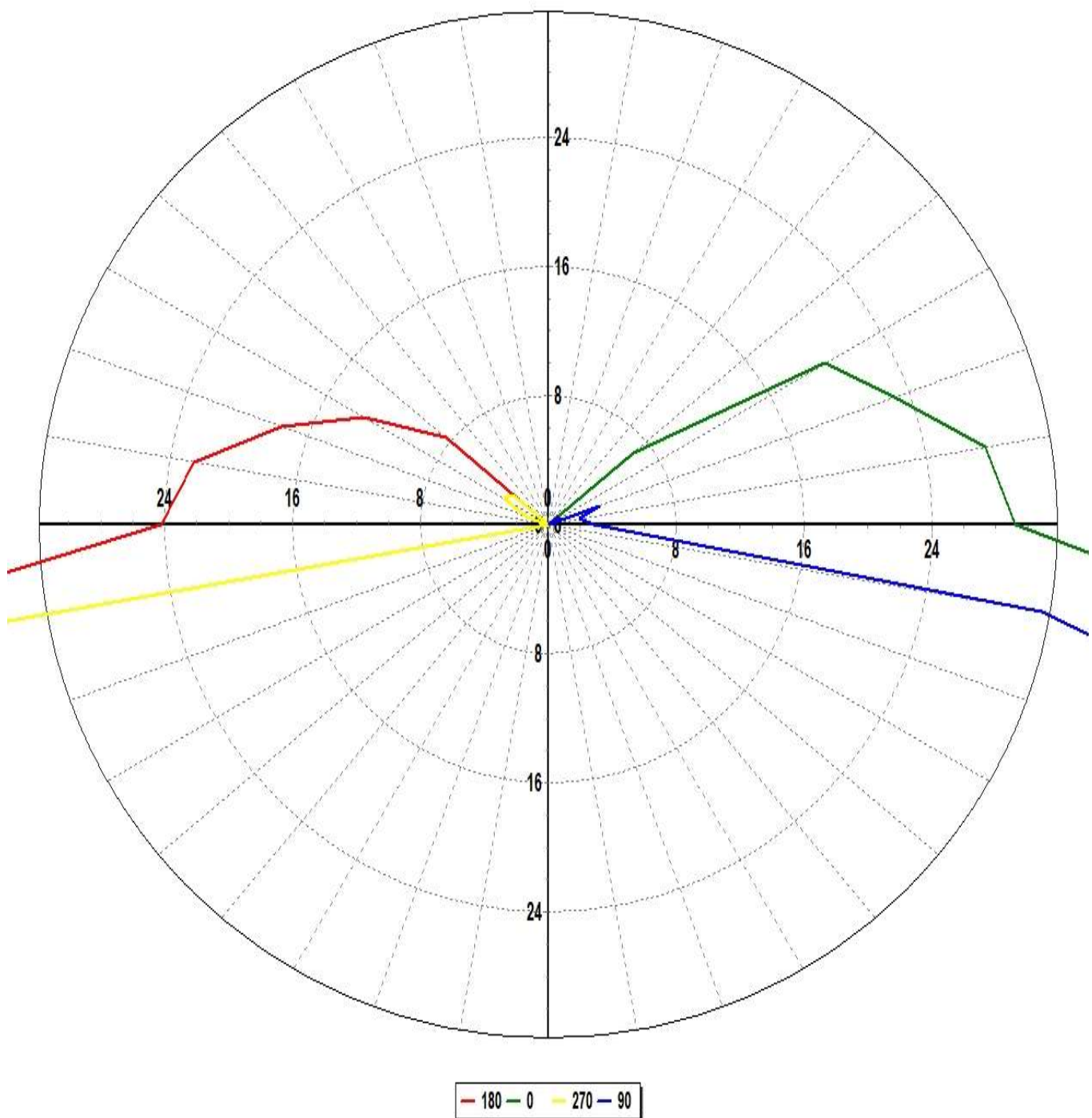
CGR

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Luminous Intensity Distribution (Lowest 10%)





Luminaire

Lamp

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Luminous Intensity Data

Maximum (cd) : 93

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	92.47	91.76	92.28	92.59	91.79	91.71	92.47	91.76	92.28	92.59	91.79	91.71	92.47
10	89.97	90.14	90.03	89.77	89.89	89.61	91.37	91.15	90.67	90.64	90.26	89.58	89.97
20	84.27	84.29	84.23	84.52	85.4	85.21	86.6	85.59	86.26	85.38	85.31	86.28	84.27
30	75.42	76.22	75.23	76.25	76.22	77.03	79.02	79.21	77.96	77.45	77.01	77	75.42
40	65.9	64.85	66.14	64.87	66.24	66.23	67.55	69.34	67.36	65.79	66.61	66.86	65.9
50	54.45	53.96	53.5	53.15	54.24	54.7	57.73	57.39	55.46	54.78	54.71	56.08	54.45
60	42.01	41.17	39.35	38.3	40.15	41.35	44.6	44.18	41.47	40.18	41.03	42.7	42.01
70	29.14	27.49	25.34	23.68	25.41	28.29	30.52	29.98	27.35	24.79	26.59	29.4	29.14
80	15.79	14.72	11.17	8.92	11.1	13.49	16.55	16.06	12.81	10.4	13.31	16.5	15.79
90	8.31	7.36	4.27	0.81	3.77	6.08	6.89	6.21	3.13	-0.05	3.99	7.82	8.31
100	7.9	6.76	3.54	0.56	3.18	5.58	6.41	4.34	2.74	0.09	3.14	6.73	7.9
110	6.56	5.34	2.49	0.97	2.36	4.53	5.06	3.79	2.31	0.41	2.17	5.78	6.56
120	5.69	3.84	-0.21	-0.08	0.89	3.03	3.79	4.01	0.59	0.91	0.58	4.67	5.69
130	1.97	0.97	1.37	0.23	1.37	0.43	2.38	1.36	1.27	0.81	1.79	1.95	1.97



Luminaire

Lamp		Report	191219
No. of lamps	1	Voltage	191219 NDP4 57K-24V-C90 SF1909 VER 3.3em 28LM9.jdt
Lamp flux (lm)	285	Current	0.151
Total flux (lm)	285	Power	1
		Date	2019-12-19 오후 12:06:12

Luminous Flux Table

Total Lamp Lumens:	285
Luminaire Efficiency (lm/W):	284.54
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	2.20	2.20	0.77	0.77
10	17.17	19.37	6.81	6.81
20	31.94	51.31	18.04	18.03
30	42.17	93.48	32.86	32.85
40	46.80	140.28	49.31	49.30
50	46.15	186.44	65.53	65.52
60	39.24	225.68	79.32	79.31
70	28.13	253.81	89.21	89.20
80	14.45	268.26	94.29	94.28
90	5.35	273.61	96.17	96.16
100	4.58	278.19	97.78	97.77
110	3.58	281.78	99.04	99.03
120	2.19	283.97	99.81	99.80
130	0.58	284.54	100.02	100.00

Luminaire

Lamp

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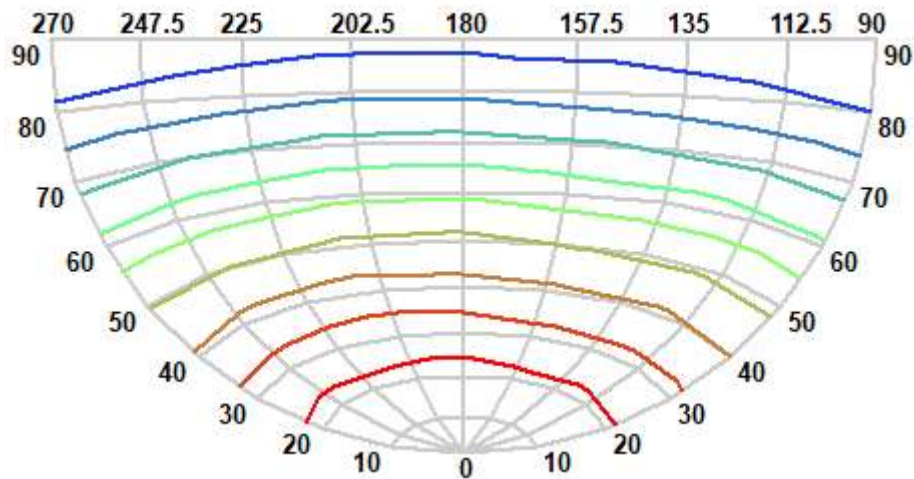
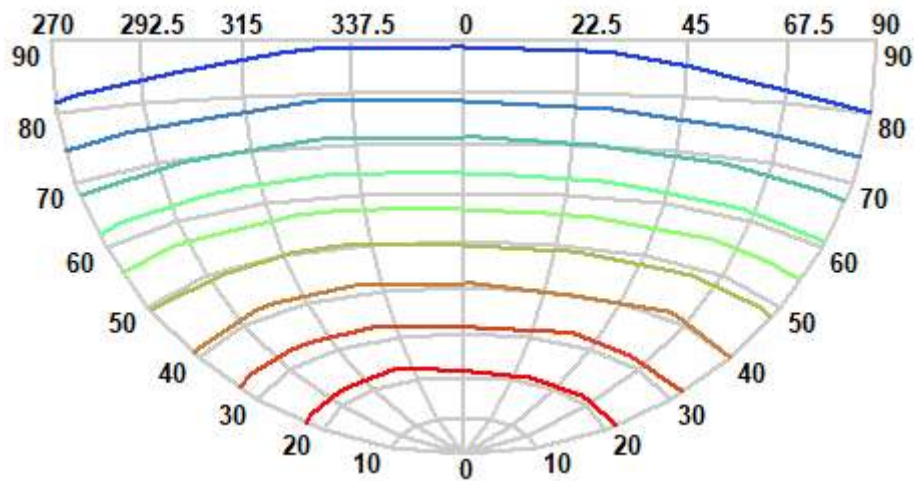
CGR

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IsoCandela (Type C)



Luminaire

Lamp

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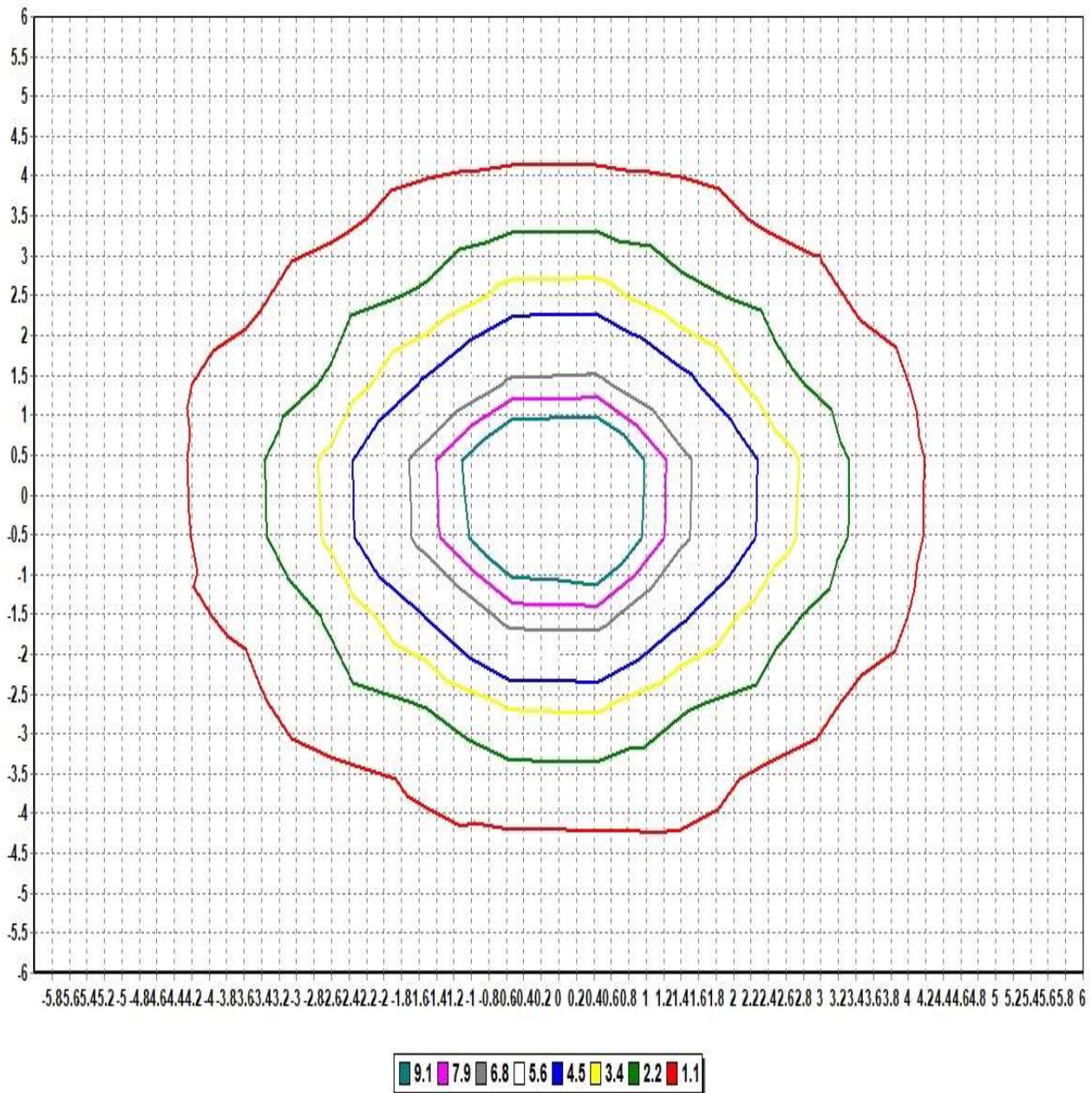
CGR

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PowerDateor 1

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

Report

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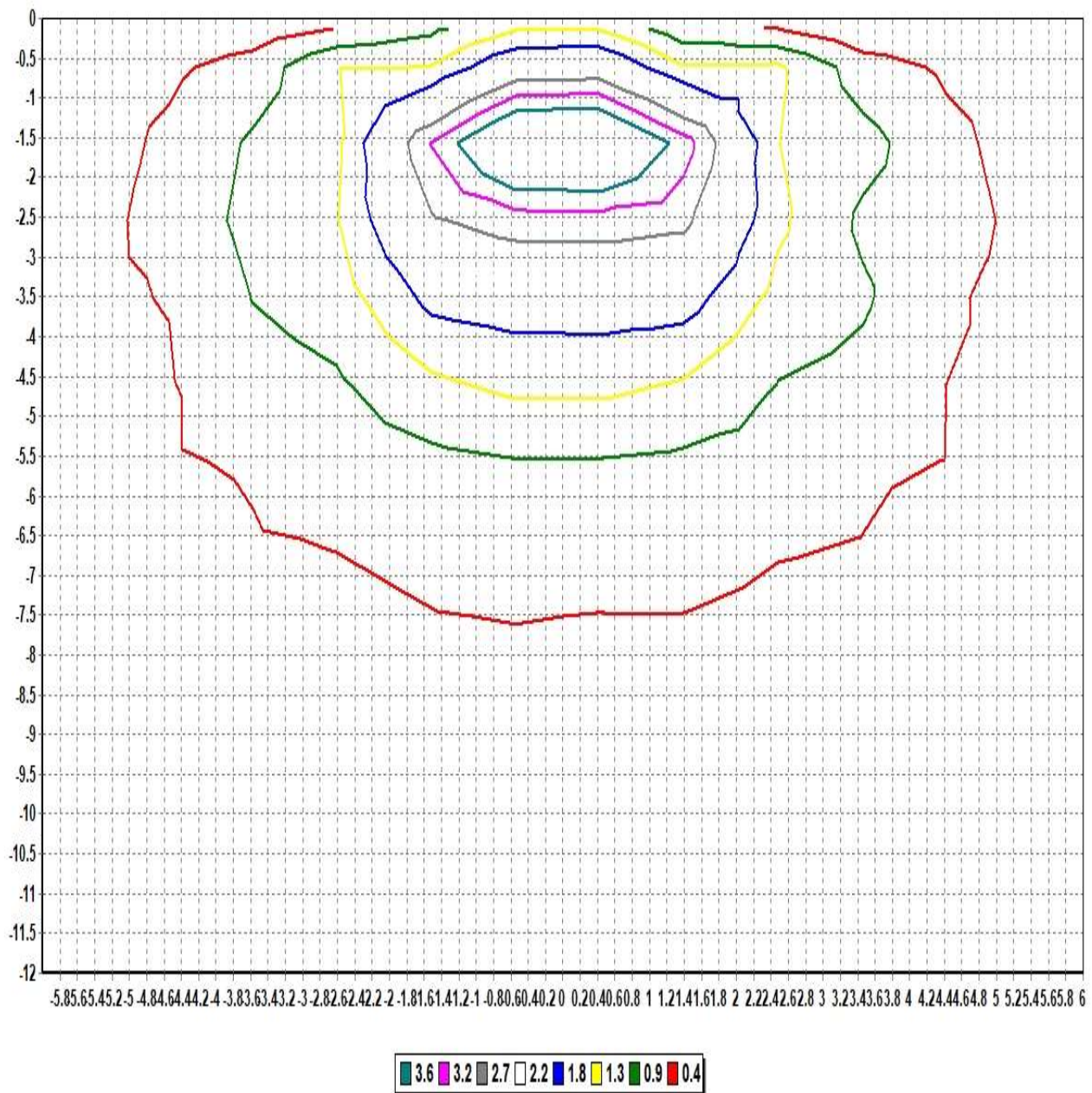
CGR

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IsoLux Diagram (Wall)



Pole Height (m): 2.7

Wall Distance (m): 2.7

Aiming Plane: 0

Wall Height (m): 12

Total Optical Solution Provider



Luminaire

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	285	Current (A)	0.151
Total flux (lm)	285	Power Factor	1

Report

191219

Filename 191219 NDP4 57K-24V-C90 SF1909 VER 3.3em 28LM9.jdt

Operator

CGR

Date

2019-12-19 오후 12:06:12

Illuminance Levels (Ground)

6.00	0.14	0.18	0.15	0.20	0.24	0.28	0.28	0.27	0.26	0.21	0.16	0.18	0.15
5.00	0.19	0.16	0.23	0.31	0.61	0.71	0.75	0.71	0.61	0.33	0.24	0.18	0.19
4.00	0.17	0.25	0.52	0.75	0.79	0.98	1.06	0.98	0.80	0.76	0.53	0.26	0.18
3.00	0.20	0.35	0.77	0.91	1.81	2.04	2.28	2.04	1.83	0.95	0.77	0.36	0.22
2.00	0.26	0.61	0.79	1.85	2.62	4.16	4.90	4.10	2.63	1.84	0.81	0.62	0.27
1.00	0.32	0.76	1.07	2.07	4.17	7.47	10.14	7.42	4.10	2.05	1.05	0.74	0.32
0.00	0.35	0.82	1.20	2.45	5.09	10.32	12.68	10.16	4.93	2.33	1.13	0.77	0.33
-1.00	0.31	0.75	1.06	2.18	4.36	7.70	10.23	7.55	4.20	2.10	1.05	0.74	0.31
-2.00	0.29	0.66	0.87	1.91	2.78	4.35	4.97	4.19	2.66	1.87	0.81	0.62	0.27
-3.00	0.23	0.38	0.82	1.01	1.89	2.15	2.34	2.08	1.84	0.94	0.79	0.36	0.21
-4.00	0.18	0.28	0.57	0.79	0.86	1.02	1.11	1.03	0.80	0.77	0.53	0.26	0.18
-5.00	0.21	0.20	0.26	0.35	0.65	0.73	0.77	0.73	0.62	0.33	0.24	0.17	0.20
-6.00	0.16	0.20	0.17	0.23	0.28	0.29	0.30	0.30	0.25	0.21	0.15	0.19	0.14
-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00	

Illum. (Max.) : 12.7

Illum. (Min.) : 0.14

Illum. (Avg.) : 1.48

All illuminance level values are in lux.



Luminaire

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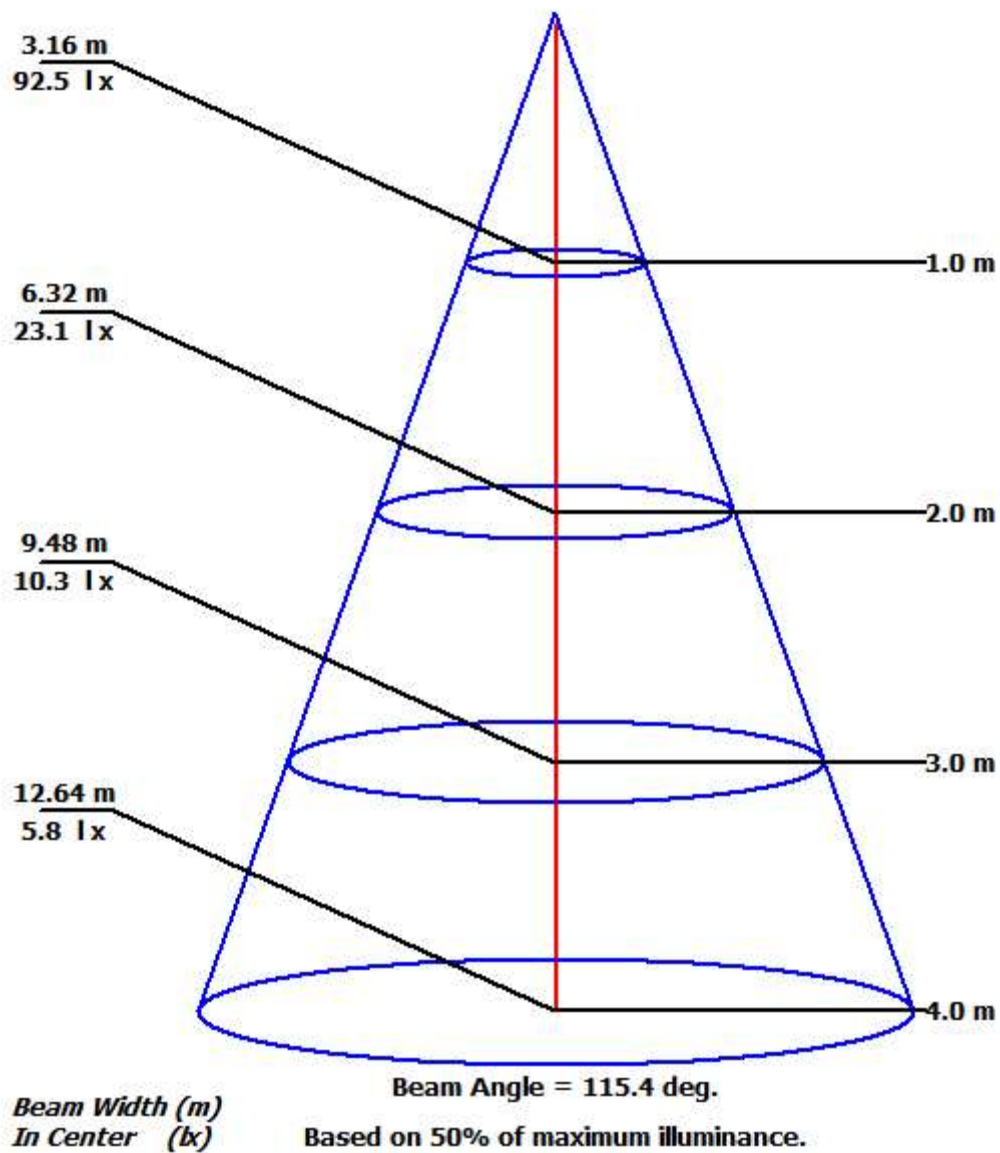
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PowerDateor 1

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Illuminance Cone Diagram





Luminaire

Lamp

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CGR

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Coefficient of Utilization

Refl. Ceiling (%)	80%	80%	80%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	10%	0%
Refl. Wall (%)	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
Eff. Floor Cavity Refl.	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Room CR 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00